

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of)	
)	
Implementing a Nationwide, Broadband)	PS Docket No. 06-229
Interoperable Public Safety Network in the)	
700MHz Band)	

To: Chief, Public Safety and Homeland Security Bureau

**700 D Block Waiver Recipients FCC Quarterly Report No. 009
City Of San Antonio, Texas, On Behalf Of
The San Antonio Urban Area Security Initiative (SAUASI)**

Pursuant to the Commission's *Waiver Order*,¹ the City of San Antonio, Texas ("San Antonio"), on behalf of the San Antonio Urban Area Security Initiative Program ("SAUASI"), hereby submits its ninth 700 MHz Public Safety Broadband Quarterly Report.

This report is filed a few days late in order to report on a recent and important development. San Antonio has reached agreement with Harris Corporation to move forward with an LTE pilot project and to roll that project into the State of Texas/Harris County BIGNET LTE pilot. This is a significant development, because the end result will be a statewide pilot project that will test interoperability between LTE equipment from different and competing manufacturers.

The new SAUASI LTE pilot project is of paramount importance to San Antonio because it will provide a laboratory for testing broadband capabilities that will enhance the ability of first responders to assist the public during times of emergencies. In particular, the City of San Antonio has been designated as the evacuation site for the Texas Gulf Coast region during hurricane season, which runs from June 1st through November 30th. During Hurricanes Rita and Katrina, San Antonio was host to thousands of evacuees. Broadband public safety capabilities would provide additional needed tools to address the logistics of housing and feeding thousands of people, assisting family members in finding missing relatives, and in responding more efficiently to all manner of emergency situations.

¹ *In the Matter of Requests for Waiver of Various Petitioners to Allow the Establishment of 700 MHz Interoperable Public Safety Wireless Broadband Networks* ("700 MHz Waiver Proceeding"), 25 FCC Rcd 5145 (May 12, 2010) ("Waiver Order"), ¶ 64.

I. Planning

Expected timing for development and issuance of any RFI/RFP.

A. Expected timing for RFI/RFP.

The SAUASI has available many vendor non-specific and vendor-specific contracts in which it may participate. These cooperative contracts, which were subject to competitive bidding procedures, cover 700 MHz equipment and services and are available for SAUASI's use. The Houston-Galveston Area Council Cooperative Purchasing Program ("HGACC") and Texas Department of Information Resources Cooperative Contracts ("DIR") are just a few of the available contracts.

1. When will RFI or RFP be issued (any progress or outcome)?

SAUASI will be able to meet its resource needs by relying on competitively bid cooperative contracts, which will expedite network implementation.

2. If the RFI or RFP has been issued, what is the timing of the response window? And the succeeding timing for a decision by the Waiver recipient?

SAUASI has not issued its own RFI or RFP. As noted above, that will not be necessary to complete the project.

B. What other planning activities have occurred which may increase the potential for timely submissions of FCC deliverables (e.g., meetings with vendors, coordination within the state or, if relevant, any coordination with other neighboring states, communications with public safety officials, narrowband relocation efforts)?

After considering proposals from two vendors, SAUASI accepted a proposal for an LTE pilot from Harris Corporation and began contract negotiations during the first quarter of 2012. As noted in Part II(A) (Funding) below, the uncertainty created by the broadband public safety provisions of the Middle Class Tax Relief and Job Creation Act of 2012 ("Spectrum Act") and possible FCC action with respect to termination of SAUASI's waiver created challenges to the negotiations between San Antonio and Harris Corporation. However, the parties have overcome those challenges and agreed to move forward with a smaller-scale pilot project, discussed below, as a public-private partnership.

Early in the process, SAUASI reached out to and received support from the State of Texas toward the implementation of a successful pilot project in San Antonio. At this time, negotiations have progressed to the point that the parties have reached agreement in principle on the parameters of a limited LTE pilot project in San Antonio. The parties have also reached an agreement in principle with the State of Texas to incorporate the SAUASI LTE pilot into the State of Texas/Harris County LTE pilot project in order to

test true interoperability between different LTE equipment vendors (Harris and Motorola) operating over the same network.

In the proposed LTE pilot project, Harris Corporation will be acting as an integrator of Nokia Siemens antennas and E-node B equipment that will be integrated into the prospective FirstNet network in the State of Texas. The Nokia Siemens equipment will be connected to the BIGNET LTE core in Harris County in a true test of equipment interoperability.

II. Funding

Status of efforts to obtain funding for planning and/or deployment, including budgeting, assessments, grants or other means.

A. Briefly describe any efforts to obtain funding (e.g., BTOP application) for the Project.

Since the SAUASI did not receive a grant award through BTOP, it pursued funding options from other sources, including internal funding.

SAUASI, along with the San Antonio Fire Department, submitted a grant application to the Federal Emergency Management Agency ("FEMA") for a FY 2011 Assistance to Firefighters Grant to initiate an LTE pilot project. On February 17, 2012, the grant was awarded for the total cost of a pilot project of \$1,152,000.00, with a Federal share of 80% (\$921,600.00) and a local share of 20% (\$230,400.00). Grant implementation is to be completed by February 2013. The FEMA grant was originally intended to be used during 2012 for the specific purpose of funding SAUASI's LTE pilot project.

During the last quarter and into the current quarter, San Antonio was in contract negotiations with Harris Corporation to work out the details of an LTE pilot project under which San Antonio would use the FEMA grant funds to purchase LTE equipment. The negotiations were stalled due to the uncertainty surrounding implementation of the Spectrum Act, which authorizes the creation of a national Public Safety Broadband Network (PSBN). Following the example of NTIA, which prohibited the use of grant funds by BTOP recipients for the purchase of LTE equipment, the Department of Homeland Security earlier this month issued guidelines cautioning local governments against using grants like the City's FEMA grant for LTE pilot projects. As a result, San Antonio reached agreement with FEMA to repurpose its FEMA grant for purchase of radios for its existing 800 MHz emergency communications system.

In light of this development, Harris Corporation performed an internal analysis and agreed to fund SAUASI's pilot project as a public-private partnership. Under the agreement reached in principle by the parties, San Antonio will make available its tower infrastructure and back-haul capabilities, and Harris Corporation will provide the LTE equipment for the project. In addition, the parties have reached an agreement in principle with the State of Texas to roll the San Antonio LTE pilot project into the State of

Texas/Harris County BIGNET LTE pilot project. By joining forces with the State of Texas, the end result will be a statewide pilot project that will provide a true test of interoperability of LTE equipment from Motorola and Harris Corporation. This is a significant development that will add value to this proof-of-concept project.

B. Briefly describe Recipient's current funding plan and expected funding timeline.

As stated above, San Antonio has reached an agreement in principle with Harris Corporation to move forward with an LTE pilot project in a public-private partnership. Under the proposed arrangement, San Antonio will make available its tower infrastructure and back-haul capability, and Harris Corporation will fund the deployment of LTE equipment for the project.

III. Deployment

Status of equipment development and purchase, including number of devices and users.

A. Identify any completed efforts at equipment development.

See Part II above.

B. Describe any equipment purchases, including types, numbers of devices and who will be the proposed users.

SAUASI has deployed fiber, tower sites, and data center equipment. This equipment is ready to be incorporated for LTE use. As stated in Part II, SAUASI will move forward with a public-private partnership under which Harris Corporation will finance and furnish the LTE equipment for the pilot project.

Site development, including use of existing towers.

A. How many sites currently exist in the Project area?

In previous quarterly reports, San Antonio has explained its investment in up to 14 tower sites within the project area. However, the agreement reached in principle with Harris Corporation will include only a small number of tower sites. The exact number has not been agreed upon by the parties.

B. How many new sites may be needed and will such new builds require additional time for permitting which could delay deployment?

No new build sites are required in order to proceed with a pilot project with Harris Corporation.

C. Are there any rights of way issues related to the sites which could pose jurisdictional issues and result in delays?

No.

D. What is the status of site acquisition or development (e.g. number of sites completed and ready for equipment deployment, number in progress, number not yet started)?

All proposed tower sites are developed with communication shelters in place.

Deployments and upgrades (commencement and completion), including site information and location.

A. Expected construction/deployment timeline.

The construction of tower sites is complete. The installation of LTE equipment is expected to take several weeks once the parties execute a written agreement.

B. Interoperability Showing (Confirm submittal of copy to FCC and PSST):

San Antonio confirms that it has consulted with the PSST prior to submitting this report.

Submission of the Interoperability Showing was accomplished with Quarterly Report 001, but was tolled by the FCC.² Pursuant to paragraph 6 of the FCC's December 10, 2010 Order,³ SAUASI is conducting a review to enable it to submit to ERIC a general certificate of compliance with that Order.

C. Confirm access to all public safety entities in your geographic area (Order para. 54).

A City of San Antonio Information Technology Services Department staff member has informed public safety agencies within Bexar and Comal Counties of the intended proposed LTE project, and many of those agencies have submitted letters of support. SAUASI's LTE network will be available to all public safety agencies within the SAUASI coverage area, and it also will be available for any public safety agency roaming onto the system.

² 700 MHz Waiver Proceeding, PS Docket No. 06-229, Order, DA 10-1540 (rel. Aug. 17, 2010).

³ 700 MHz Waiver Proceeding, PS Docket No. 06-229, Order, DA 10-2342, 51 CR 1295 (Dec. 10, 2010).

Compliance with the *PLMN ID Order*⁴

The City of San Antonio, on behalf of SAUASI, hereby verifies that it has complied with the directives in the *PLMN ID Order* for the 700 MHz public safety broadband Waiver Recipients to: (1) “implement, with the assistance of a common competent administrator, a scheme for the assignment of International Mobile Subscriber Identities (IMSI)s and other identification numbers necessary to support the [Waiver Recipients’] operations of LTE broadband deployments on an interoperable basis and to arrange for a common competent clearinghouse to support commercial roaming by all of the [Waiver Recipients];” and (2) complete development of the numbering scheme by March 31, 2012.⁵

On February 8, 2012, twenty-one Waiver Recipients, including San Antonio, filed a joint notification that they had selected Science Applications International Corporation (SAIC) to serve as the common numbering administrator for the purposes described in the *PLMN ID Order*, and that they intend to assign SAIC each of the responsibilities stated in paragraph 19 of the *PLMN ID Order*. On March 16, 2012, the *Numbering Administrator Order* was issued, which approved SAIC as the numbering administrator.

On March 30, 2012, the Waiver Recipients, including San Antonio, notified the Public Safety and Homeland Security Bureau that the numbering scheme had been completed as required by the *PLMN ID Order*, with the assistance of SAIC, and that the Waiver Recipients would provide a copy of the numbering scheme to the Bureau at its request.⁶ Accordingly, San Antonio verifies that it has complied with the March 31, 2012, deadline in the *PLMN ID Order*, and that it is not aware of any “significant modifications to the numbering scheme.”⁷ San Antonio also verifies that there is no new information regarding SAIC’s licenses or affiliations that might call into question its ability to serve as a fair and impartial administrator.

⁴ *Request for Waiver of Various Petitioners to Allow the Establishment of 700 MHz Interoperable Public Safety Wireless Broadband Networks*, Order, 27 FCC Rcd 183 (Jan. 9, 2012) (“*PLMN ID Order*”).

⁵ *Id.* at ¶¶ 2 and 21. See also in the same proceeding, Order, Docket 06-229, DA 12-423 (Mar. 16, 2012) (“*Numbering Administrator Order*”).

⁶ The filing was made by William M. Schrier, Chief Technology Officer for the City of Seattle and Chair of the Public Safety Spectrum Trust Operator Advisory Committee, the formal organization of the 700 MHz public safety broadband Waiver Recipients.

⁷ *PLMN ID Order* at ¶ 21; *Numbering Administrator Order* at ¶ 13.

Coordination with the State of Texas

The State of Texas (“State”) was also granted a waiver by the Commission for early deployment of a public safety broadband LTE network in the 700 MHz spectrum.⁸ San Antonio has reached an agreement in principle with the State to incorporate San Antonio’s LTE pilot project with Harris Corporation into the State/Harris County BIGNET LTE pilot project. The details of the coordinated effort are under negotiation.

As a Waiver Recipient, the State files a Quarterly Report, and has also submitted other informational filings, including updated Interoperability Showings, and therefore the information provided in those reports and filings is not duplicated here. San Antonio refers the Bureau to the State’s reports for detailed information on the status of the State’s deployment efforts.

Respectfully submitted

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⁸ *Requests for Waiver of Various Petitioners to Allow the Establishment of 700 MHz Interoperable Public Safety Wireless Broadband Networks*, Order, 26 FCC Rcd 6783 (May 12, 2011).